

**Practice: 338 - Prescribed Burning****Scenario: #2 - Site Preparation****Scenario Description:**

Treating areas to encourage natural seeding or to permit reforestation by planting or direct seeding. Burning is utilized to eliminate existing competition and debris, reduce forest fuel and to prepare the site for planting or seeding. Burning a cutover site helps prepare the site for replanting. Burn should expose a portions of bare soil for planting. Objectives of a site preparation burn may dictate timing and burn intensity. A bulldozer is brought on site and held in standby mode until the fire is safe to leave unsupervised. Burn sites are monitored the next day for remaining hot spots and or spot over fire.

**Before Situation:**

Area to be burned has had a portion of the over story removed. Slash, brush and grasses dominate the site. Random piles of slash exist near loading decks.

**After Situation:**

Area to be planted has been burned to remove slash left over from prior forest harvest activities. Site is clear enough to allow hand planting tree seedlings and some bare ground is exposed.

**Scenario Feature Measure:** Acres planned

**Scenario Unit:** Acre

**Scenario Typical Size:** 40

**Scenario Cost:** \$2,265.34

**Scenario Cost/Unit:** \$56.63

**Cost Details (by category):**

| Component Name                     | ID   | Component Description   | Unit   | Price (\$/unit) | Quantity | Cost     |
|------------------------------------|------|---|--------|-----------------|----------|----------|
| <b>Equipment/Installation</b>      |      |   |        |                 |          |          |
| Dozer, 105 HP                      | 1320 | Track mounted Dozer with horsepower range of 90 to 125. Equipment and power unit costs. Labor not included.   | Hour   | \$83.58         | 1        | \$83.58  |
| Water tank, portable               | 1602 | Portable water tank transported in a pick up truck. Typically with 200 gallon capacity includes tank with pump, hose and sprayer. Does not include the pickup truck. Equipment only.  | Hour   | \$2.60          | 8        | \$20.80  |
| Truck, Pickup                      | 939  | Equipment and power unit costs. Labor not included.   | Hour   | \$37.50         | 4        | \$150.00 |
| All terrain vehicles, ATV          | 965  | Includes equipment, power unit and labor costs.   | Hour   | \$30.91         | 8        | \$247.28 |
| <b>Labor</b>                       |      |   |        |                 |          |          |
| Specialist Labor                   | 235  | Labor requiring a specialized skill set: Includes Agronomists, Foresters, Biologists, etc. to provide additional technical information during the planning and implementation of the practice. Does not include NRCS or TSP services. | Hour   | \$99.61         | 5        | \$498.05 |
| Supervisor or Manager              | 234  | Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.  | Hour   | \$37.01         | 8        | \$296.08 |
| Skilled Labor                      | 230  | Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.   | Hour   | \$25.02         | 24       | \$600.48 |
| <b>Materials</b>                   |      |   |        |                 |          |          |
| Fuel, ignition fuel mixture        | 1596 | Mixture of gasoline and diesel for ignition of prescribed burns. Materials only.  | Gallon | \$3.99          | 10       | \$39.90  |
| <b>Mobilization</b>                |      |   |        |                 |          |          |
| Mobilization, medium equipment     | 1139 | Equipment with 70-150 HP or typical weights between 14,000 and 30,000 pounds.   | Each   | \$257.94        | 1        | \$257.94 |
| Mobilization, very small equipment | 1137 | Equipment that is small enough to be transported by a pick-up truck with typical weights less than 3,500 pounds. Can be multiple pieces of equipment if all hauled simultaneously.  | Each   | \$71.23         | 1        | \$71.23  |